

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	186	photovoltaic\$2 and nanotube\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:40
S2	305	nanoimprint\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:47
S3	14178	photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:49
S5	2	polybutylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:50
S6	0	poly adj butylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:49
S7	0	poly adj butyl adj thiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:49
S8	2	polybutylthiophene polydibutylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:50
S9	1589	(977/Dig.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 09:07
S10	423	S9 and (nanotube\$2 photovoltaic\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 09:11
S11	28	S9 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:44
S12	395	S10 not S11	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 09:53
S13	18	("4064566" "4330283" "4693986" "4963151" "5021063" "5030238" "5049157" "5108452" "5180394" "5266609" "5334625" "5336699" "5686182" "6066272" "6099960" "6251522" "6284832" "6340822").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 11:15
S14	1	("5171373").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 11:15
S15	16	("5171373").URPN.	USPAT	OR	OFF	2005/08/18 11:20

S16	2178	(136/260,264,263,256,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:40
S17	1337	S16 and (press\$4 imprint\$4 compress\$5 gap polymeriz\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 17:20
S18	1164	S16 and (press\$4 imprint\$4 compress\$5 polymeriz\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:09
S19	558	S16 and gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 17:20
S20	41	S16 and gap with fill\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 17:20
S21	3	S16 and (imprint\$4 and polymeriz\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:12
S22	171	S16 and (polymeriz\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:29
S23	16	S16 and (polymeriz\$7 same dye)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:29
S24	327	(136/263).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:36
S25	224	S24 and dye\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:37
S26	78	S24 and dye\$3 and polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:37
S27	2224	(136/260,264,263,256,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:41
S28	181	S27 and polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:59
S29	0	10/699442	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:59
S30	0	10/699,442	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 17:04
S31	0	surface adj imprinted adj films	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 17:53

S32	10	S27 and imprint\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 17:53
S33	0	conformal adj gap same dye	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:30
S34	0	conformal adj gap and dye	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:30
S35	15	conformal adj gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:31
S36	3465	(thiophene polythiophene) and gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:31
S37	132	(thiophene polythiophene) same gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:31
S38	17	(thiophene polythiophene) same gap same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:36
S39	1	("5,403,451").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:34
S40	89	(thiophene polythiophene) same dye\$4 same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:24
S41	12	(thiophene polythiophene) same shrink\$5 same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:25
S42	4	(thiophene polythiophene) and photovoltaic\$2 and nanoimprint\$8 adj lithography	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:44
S44	2224	(136/260,264,263,256,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:44
S45	27	photovoltaic\$2 and electrophoretic with deposit\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:44
S46	3	photovoltaic\$2 and electrophoretic with deposit\$8 and sol with gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:46
S47	28	photovoltaic\$2 and electrophore\$9 with deposit\$8 and nano\$9	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:57
S48	1	polydibutylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:57

S49	2537	butyl with thiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:57
S50	5	butyl near5 thiophene and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:58
S51	17	poly with butyl near5 thiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:59
S52	0	"poly(3-butyl thiophene)" and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:00
S53	8	(poly with butyl with thiophene) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:08
S54	36	(butyl with thiophene) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:30
S55	5	(butyl near3 thiophene) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:08
S56	29	PBT and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:34
S57	4	PBT and photovoltaic\$2 and oxadiazole	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:23
S58	22	"6517995"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 12:32
S59	0	S58 and (solar adj cell\$2 photovoltaic\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 12:32
S60	151	photovoltaic\$2 and (thiophene polythiophene) same monomer\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:36
S61	27	photovoltaic\$2 and (thiophene polythiophene) same monomer\$2 and CdSe	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:37
S62	53	photovoltaic\$2 and (thiophene polythiophene) and monomer\$2 and CdSe	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:37
S63	404	pattern\$3 with sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:05
S64	5	S63 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:02
S65	6	("4874462").URPN.	USPAT	OR	OFF	2006/01/27 08:08

S66	100	(imprint\$5 nanoimprint\$5) same sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:13
S67	727	(imprint\$5 nanoimprint\$5) same monomer\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:13
S68	7	S67 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:20
S69	1094	monomer\$2 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:20
S70	794	monomer\$2 and photovoltaic\$2 and polymeriz\$9	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:20
S71	218	S70 and (imprint\$8 nanoimprint\$8 nano adj imprint\$8 emboss\$8 screen adj print\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:21
S72	200	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 and sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:07
S73	18	S72 and (solar adj cell\$2 photovoltaic\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S74	1018	thiophene\$2 with polymeriz\$9	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S75	85	S74 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S76	0	S74 same photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S77	5830	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 and polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:02
S78	3711	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:02
S79	99	S78 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:02
S80	21	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 same (nanoimprint\$4 nano adj imprint\$4 imprint\$4 emboss\$9)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:10
S81	180	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4 emboss\$9)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:10

S82	83	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:10
S83	3567	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4 print\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S84	16	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4) same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S85	9344	(pyrrole\$2 aniline\$2 oxadiazole\$2) same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S86	3301	(pyrrole\$2 aniline\$2 oxadiazole\$2) with polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S87	2	(pyrrole\$2 aniline\$2 oxadiazole\$2) with polymeriz\$8 same stamp\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 17:47
S88	10	(pyrrole\$2 aniline\$2 oxadiazole\$2) with polymeriz\$8 same imprint\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:17
S89	7	(pyrrole\$2 aniline\$2 oxadiazole\$2) with sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:29
S90	204	silicon with substrate\$2 and (thiophene\$2 polythiophene\$2) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:29
S91	967	(136/260,264,263,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:45
S92	2651	(264/255).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:45
S93	0	S92 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:45
S94	0	(pyrrole\$2 aniline\$2 oxadiazole\$2) same sol adj gel\$4 same (titanium adj oxide\$2 titanium adj dioxide\$2 titania)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 17:47

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Polymer, Volume 46, Issue 17, 8 August 2005, Pages 6715-6718
 Luca Valentini and José M. Kenny
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2. ☐ **04/02683 Photovoltaic cells based on dye-sensitisation of single-wall carbon nanotubes in a polymer matrix: Kymakis, E. and Amaratunga, G. A. J. Solar Energy Materials and Solar Cells, 2003, 80, (4), 465-472 • ABSTRACT**
Fuel and Energy Abstracts, Volume 45, Issue 6, November 2004, Page 382
3. ☐ **Polymers containing fullerene or carbon nanotube structures • REVIEW ARTICLE**
Progress in Polymer Science, Volume 29, Issue 11, November 2004, Pages 1079-1141
 Changchun Wang, Zhi-Xin Guo, Shoukuan Fu, Wei Wu and Daoben Zhu
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4. ☐ **Photovoltaic cells based on dye-sensitisation of single-wall carbon nanotubes in a polymer matrix • ARTICLE**
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 E. Kymakis and G. A. J. Amaratunga
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5. ☐ **Single wall carbon nanotube doping improves performance • NEWS**
Photovoltaics Bulletin, Volume 2002, Issue 3, March 2002, Page 4
6. ☐ **Electronic phenomena in chiral carbon nanotubes in the presence of a magnetic field • ARTICLE**
Physica E: Low-dimensional Systems and Nanostructures, Volume 12, Issues 1-4, January 2002, Pages 741-744
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1. ☐ **The effect of side chains on the performance of solar cells fabricated from poly[2-methoxy-5-(2'-ethylhexoxy)-1,4-phenylene vinylene] and C₆₀ dicarboxylate • ARTICLE**
Thin Solid Films, Volume 489, Issues 1-2, 1 October 2005, Pages 251-256
Liping Zheng, Qingmei Zhou, Xianyu Deng, Wang Fei, Ning Bin, Zhi-Xin Guo, Gang Yu and Yong Cao
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2. ☐ **The role of molecular architecture and layer composition on the properties and performance of CuPc-C₆₀ photovoltaic devices • ARTICLE**
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S.M. Schultes, P. Sullivan, S. Heutz, B.M. Sanderson and T.S. Jones
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3. ☐ **Design, synthesis and photovoltaic properties of [60]fullerene based molecular materials • ARTICLE**
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José L. Segura, Francesco Giacalone, Rafael Gómez, Nazario Martín, Dirk M. Guldi, Chuping Luo, Angela Swartz, Ingo Riedel, Dana Chirvase, Jurgen Parisi *et al.*
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4. ☐ **Perylene-3,4:9,10-bis(dicarboximide) linked to [60]fullerene as a light-harvesting antenna • SHORT COMMUNICATION**
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Jérôme Baffreau, Lara Perrin, Stéphanie Leroy-Lhez and Pierrick Hudhomme
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5. ☐ **Photoelectric investigations of charge-transferring metal-doped [60] fullerenes • ARTICLE**
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Xiu Liu, Yajie Jia, Lijun Guo and Gongming Wang
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6. ☐ **Lifetimes of organic photovoltaics: photochemistry, atmosphere effects and barrier layers in ITO-MEHPPV:PCBM-aluminium devices • ARTICLE**
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Frederik C. Krebs, Jon E. Carlé, Nicolaj Cruys-Bagger, Morten Andersen, Mathilde R. Lilliedal, Mark A. Hammond and Søren Hvidt
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7. ☐ **LESR study on PPV-PPE/PCBM composites for organic photovoltaics • ARTICLE**
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2. ☐ **Correlation of morphology and device performance in inorganic-organic TiO₂-polythiophene hybrid solid-state solar cells • REVIEW ARTICLE**
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Luke B. Roberson, Mark A. Poggi, Janusz Kowalik, Greg P. Smestad, Lawrence A. Bottomley and Laren M. Tolbert
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3. ☐ **Polypyrrole/titania hybrids: synthetic variation and test for the photovoltaic materials • ARTICLE**
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4. ☐ **Solar glass with industrial porous SiO₂ antireflection coating: measurements of photovoltaic module properties improvement and modelling of yearly energy yield gain • ARTICLE**
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5. ☐ **Buildup of multilayer structures of organic-inorganic hybrid ultra thin films by wet process • ARTICLE**
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Yosiki Maehara, Shinobu Takenaka, Kenichi Shimizu, Masato Yoshikawa and Seimei Shiratori
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6. ☐ **Fabrication of tin oxide film by sol-gel method for photovoltaic solar cell system • ARTICLE**
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Seung-Chul Lee, Jae-Ho Lee, Tae-Sung Oh and Young-Hwan Kim
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7. ☐ **Optical and electrochemical characterization of poly(3-undecyl-2,2'-bithiophene) in thin film solid state TiO₂ photovoltaic solar cells • ARTICLE**
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2. ☐ **Design and analysis of the single-step nanoimprinting lithography equipment for sub-100 nm linewidth • ARTICLE**
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3. ☐ **Optimization and experimentation of nanoimprint lithography based on FIB fabricated stamp • ARTICLE**
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4. ☐ **Micromagnetic studies of iron microbars prepared by nanoimprint lithography and electrodeposition • ARTICLE**
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6. ☐ **NIL—a low-cost and high-throughput MEMS fabrication method compatible with IC manufacturing technology • ARTICLE**
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7. ☐ **Optically variable imaging using nanoimprint technique • ARTICLE**
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R. Katoh, Y. Tasaka, E. Sekreta, M. Yumura, F. Ikazaki, Y. Kakudate and S. Fujiwara
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
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- ☐ 2. **Nanostructured materials for solar cells**
Bailey, S.G.; Castro, S.L.; Raffaella, R.P.; Fahey, S.; Gennett, T.; Tin, P.;
Photovoltaic Energy Conversion, 2003. Proceedings of 3rd World Conference on
Volume 3, 12-16 May 2003 Page(s):2690 - 2693 Vol.3
Digital Object Identifier 10.1109/WCPEC.2003.1305145
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- ☐ 3. **Photovoltaic effect in chiral carbon nanotubes in presence of a magnetic field**
Kibis, O.V.; Zharkih, A.A.;
Science and Technology, 2002. KORUS-2002. Proceedings. The 6th Russian-Korean
International Symposium on
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 Digital Object Identifier 10.1109/IMTC.2001.928857
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 Youngseok Jung; Junghun Sol; Gwonjong Yu; Jaeho Choi;
 Electrical and Computer Engineering, 2004. Canadian Conference on
 Volume 2, 2-5 May 2004 Page(s):979 - 982 Vol.2
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- ☐ 3. **CIGS2 thin films on large area ultralightweight Ti/ SiO/sub 2/ substrates**
 Dhere, N.G.; Gade, V.S.; Kulkarni, S.S.;
 Photovoltaic Energy Conversion, 2003. Proceedings of 3rd World Conference on
 Volume 1, 11-18 May 2003 Page(s):757 - 760 Vol.1
 Digital Object Identifier 10.1109/WCPEC.2003.1305393
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- ☐ 4. **Double anti-reflection layers for silicon solar cells obtained by spin-on**
 Morales-Acevedo, A.; Luna-Arredondo, E.; Santana, G.;
 Photovoltaic Specialists Conference, 2002. Conference Record of the Twenty-Ninth IEEE
 19-24 May 2002 Page(s):293 - 295
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- ☐ 5. **Effect of sol processing parameters on dye-sensitized TiO₂ solar cell by spin-coating method**
 Rahman, Md.M.; Tanaka, H.; Soga, T.; Jimbo, T.; Umeno, M.;
 Photovoltaic Specialists Conference, 2000. Conference Record of the Twenty-Eighth IEEE
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- ☐ 6. **Radiative recombination in strain-balanced quantum well solar cells**
 Bessiere, A.; Connolly, J.P.; Barnham, K.W.J.; Ballard, I.M.; Johnson, D.C.; Mazzer, M.; Hill, G.;
 Roberts, J.S.;
 Photovoltaic Specialists Conference, 2005. Conference Record of the Thirty-first IEEE
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ADA231494; Year : 1991;
5. **Air Force Research Laboratory (AFRL). Manager of the Basic Research Investment for the Air Force Research Laboratory. Research Highlights, Jul/Aug 99. Rept. for Jul-Aug 99.**
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